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FACSIMILE TRANSMITTAL COVER SHEET

DATE: 7/20/2005
TO: Mr. Willie Thomas
FIRM: MACON COUNTY BOARD OF EDUCATION
FAX NO.: 724.9990
FROM: Jeffrey A. Harrison, P.E.
PROJECT: SOUTH MACON SCHOOL
RE: WASTEWATER TREATMENT PLANT

PAGE 1 OF 3

Copies To:

As requested, attached for your further use is a letter and cost estimate for the proposed ground injection system. As you can see in my letter, I did not discuss the option of increased treatment put forth before you by Mr. Tom Cross. This option would cost the Board of Education approximately \$500,000 plus increased operation and maintenance.

Please call should you have any questions.



GOODWYN, MILLS AND CAWOOD, INC.
PRELIMINARY ENGINEER'S ESTIMATE

**ON-SITE DISPOSAL SYSTEM
GROUND INJECTION
SOUTH MACON SCHOOL WASTEWATER TREATMENT PLANT
MACON COUNTY BOARD OF EDUCATION
GMC PROJECT NO. 5-2-010
July 20, 2005**

NO.	QTY.	UNITS	DESCRIPTION	UNIT COST	TOTAL COST
1	2	EA	Effluent Submerible Pump	\$ 7,500.00	\$ 15,000.00
2	1	LS	Electrical	\$ 10,000.00	\$ 10,000.00
3	1	LS	Advance Field Line System	\$ 30,001.00	\$ 30,000.00
4	10,000	CY	Borrow Material for Mound	\$ 6.00	\$ 60,000.00
SUBTOTAL					\$ 115,000.00
CONTINGENCY					\$ 13,000.00
ENGINEERING					\$ 22,000.00
TOTAL CONSTRUCTION					\$ 150,000.00

Engineering
Architecture
Environmental
Landscape
Surveying

GOODWYN, MILLS AND CAWOOD, INC.



July 20, 2005

Mr. Willie Thomas
Superintendent
Macon County Board of Education
PO Box 830090
Tuskegee, AL 36083-0090

RE: **MACON COUNTY BOARD OF EDUCATION
SOUTH MACON SCHOOL WASTE WATER TREATMENT PLANT
ADEM CONSENT ORDER NUMBER 02-066-CWP
GM&C PROJECT NO. 52010**

Dear Mr. Thomas:

This letter is being prepared for you as an update to the current analysis of the wastewater treatment plant for the South Macon School. Our firm has been actively working for and with the Board of Education (BOE) to address the past permit violations of the plant and impending discharge limits administered by the Alabama Department of Environmental Management (ADEM).

At this time, ADEM has been notified of the BOE's desire to seek a ground injection (i.e. field line) disposal method through the Macon County Public Health Department in lieu of renewing the current NPDES permit. This study was in response to the more stringent discharge limits being imposed by ADEM in their draft NPDES permit for the plant. Given the number of students/teachers in the school, the proposed flow falls within the guidelines of the Public Health Department as opposed to ADEM.

Goodwyn, Mills and Cawood, Inc. employed the services of a local Professional Soil Classifier to investigate the feasibility of ground injecting the treated effluent of the plant. In his study, it was determined the area exhibited a high water table with a loamy sand. Based upon the flows from the facility, the on-site disposal area required the installation of approximately 2 to 4 feet of fill material to aide in the dispersal of the effluent. This system would require a small effluent pump at the treatment plant, a series of advance field lines and approximately 10,000 cubic yards of approved mound material. The estimated cost for completing this system would be approximately \$150,000 (See Attached Estimate).

Whereas the long-term future of the school has not been determined and whereas the permit for ground injection from the Public Health Department has not been secured due to this uncertainty, ADEM is awaiting the decision of the Board of Education. It is my concern ADEM will not wait much longer before demanding an answer.

I trust this update will assist you.

Sincerely,
GOODWYN, MILLS AND CAWOOD, INC.

Jeffrey A. Harrison, P.E.

JAH:jjh
Enclosure

cc: File 5-2-010 COM

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